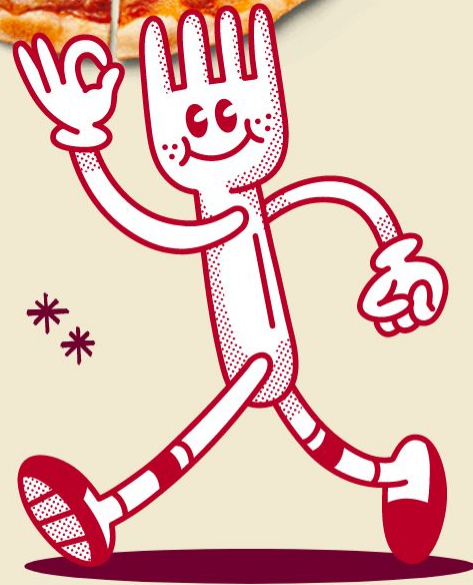


ItG ESG Case Study



Integrating Sustainable Practices at MOD Pizza





Nathan Chen

he/him

Environmental Science & Policy



Mya Huetter

they/she

Ecology & Evolutionary Biology



Amanda Zhu

they/them

Business Administration



Liam McCarthy

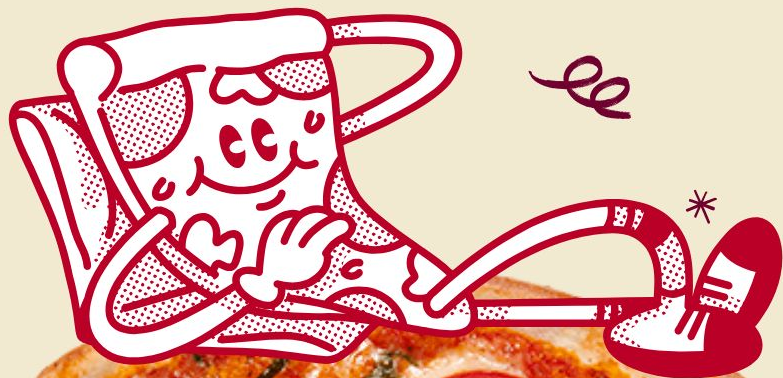
he/him

Environmental Science & Policy



**Meet
the
Team**

MOD



Roadmap

MOD Pizza: An Overview

Annual Emissions Baseline Estimation

Emissions Calculations

Key Solutions: Waste Management

Key Solutions: Local Food Sourcing

Key Solutions: Employee Commute

Overarching Solutions

Questions?



MOD Pizza: An Overview

- Fast food artisanal-style pizza founded in Seattle, 2008
- Current ESG practices:
 - **Social Sustainability**
 - MOD Opportunity Network
 - Food donations
 - **Sustainability**
 - Biodegradable containers + utensils
 - Vegan + vegetarian options
 - Certified B Corp + 1% for the Planet partners
 - Non-GMO, 100% US-grown dough



By the Numbers

560+
stores, 99+%
US based

200k+
meals
donated

\$398mil
annual
revenue in
2022

80%
year-over-
year growth



Annual Emissions Baseline Estimation

- Method: EPA's Simplified GHG Emissions Calculator Tool
- **What we know**
 - 562 storefront locations
 - 2600+/- sf each
 - 100% biodegradable consumer packaging
 - Open 10:30AM-10PM, 7 days/week
 - Gas-powered oven
 - Recycling bins available



MOD Pizza Annual Estimates *(per industry standard)*

- **Transportation**
 - Deliveries per location: 10k miles
 - Employee commutes per location: 90k miles
 - Upstream transportation + distribution per location: 1.5k miles
 - Corporate flights: 100k miles
- **Operations per location**
 - 3 commercial fridges, 1 chiller, A/C
 - Annual landfill waste: 50,000 lbs
 - Recycled materials: 10,000 lbs
 - Packaging + operational waste: 3,092 lbs





Scope 1+2 Emissions Estimate

Units in metric tons CO₂e

	Per Location	Total
Stationary Combustion	7.8	4,383.6
Mobile Sources	4.4	2,472.8
Fire Suppresion	0.5	281
Refrigeration/AC	68.3	38,384.6

45,522 metric tons CO₂e



Scope 3 Emissions Estimate

Units in metric tons CO₂e

	Per Location	Total
Corporate Business Travel	N/A	20.9
Employee Commuting	26	14,612
Upstream Transportation and Distribution	2.1	1,180.2
Waste	15	8,430

24,243 metric tons CO₂e



Emissions Estimate Aggregate

Units in metric tons CO₂e

Scope	Per Location	Total
Scope 1 + 2	81	45,522
Scope 3	43.1	24,243.1
All Scopes	124.1	69,765.1 metric tons of CO₂e

Objective: Net-Zero Emissions by 2030



Key Solutions

01

Composting Food Waste

Reinforcing sustainable ingredient production, selection, and disposal

02

Local Food Sourcing

Building community, sustainable food sourcing, and cyclical business habits

03

Minimize Commute Emissions

Offering green transit alternatives to employees

Cyclical Waste Management: Food Composting

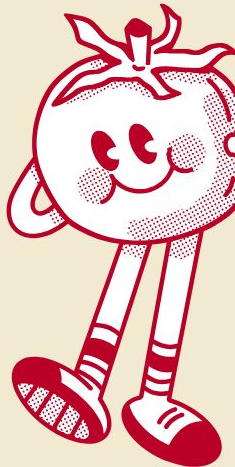


Strategy:

- Compost food waste to promote **regenerative** farming methods
 - **90% diversion** to local farms + commercial composting facilities

Outcomes:

- Provides **nutrition** to the local ecosystem
- **Diverts** would-be waste
- **\$1.6M savings** annually
- Avoid **43.6M kg COe** annually





Local Farm Partnerships: Seasonal Topping Cycling

Strategy:

- **Cycle** current toppings by **seasonality** in the US
 - Source: local organic farms
 - Seasonal foods = **less artificial** growing needs
- Cost: \$20-40M total without sale price increase

Outcomes:

- Reduces **transportation costs** by sourcing locally
- Avoid **350 kg COe** annually
- **Diversification** of MOD's ingredient portfolio



Minimizing Employee Commute Emissions

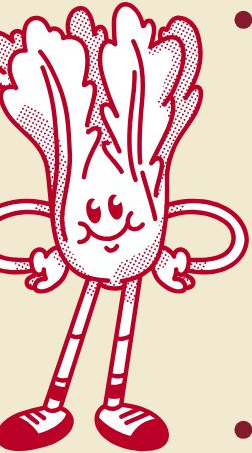
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Strategy:

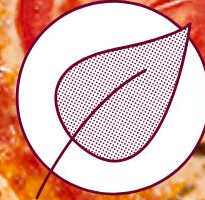
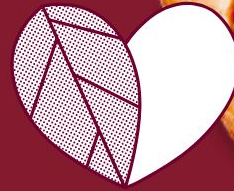
- Support **alternative transit**
 - Subsidize employee **public transportation passes**
 - Encourage **cycling** and **walking**
- Cost: ~\$4,000 per location annually

Outcomes:

- Employee **retention + satisfaction**
 - Increased **flexibility**
 - Decreased overtime costs
- Avoid **~20M kg COe** annually company-wide



Overarching Objectives



Green, Cyclical Supply Chain

More **partnerships with local, sustainable farms** for food waste + packaging composting, organic + seasonal foods, food donations



Green Energy Sources

Investing in **renewable energy** like solar for facility energy generation, replacing gas ovens, offsetting incidental emissions



Green Workforce Opportunities

Providing **public transportation** options for employees, partnering with services to **offer zero-emission delivery options**



ESG Transparency

Practicing accountability, **publicizing sustainability goals, metrics, and projections** in annual reports + press releases



Thank you!

Any questions?



View our slide deck!

